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Supplemental Material

Src-Mediated EGF Receptor Activation Regulates Ozone-Induced Interleukin 8 Expression in Human Bronchial Epithelial Cells

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Figure S1

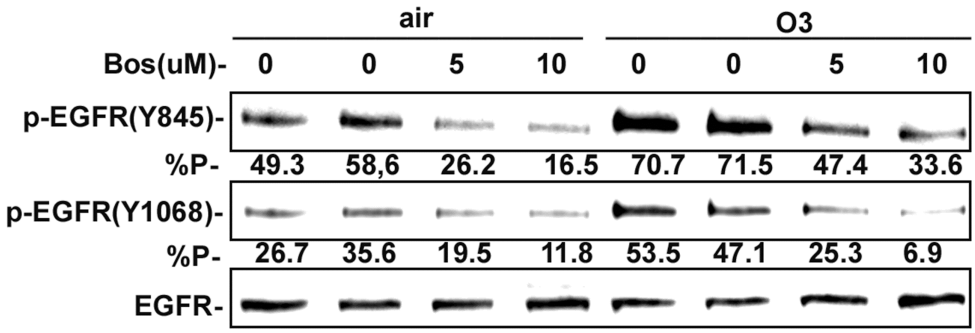

Figure S1. Src kinase is required for O_3-induced EGFR phosphorylation. BEAS-2B cells grown to confluence were pretreated with vehicle control (0.1% DMSO), or the Src kinase inhibitor Bosutinib (5 or 10 μM) for 30 min prior to exposure to 1 ppm O_3 for 1h. Proteins were extracted from the cells and subjected to SDS-PAGE followed by immunoblotting using phospho-specific EGFR antibodies, followed by a pan-EGFR antibody. % P indicates the optical density of the p-EGFR band as a fraction of the total EGFR signal (p-EGFR+EGFR). Data shown are representative of three separate experiments. *, indicates $P<0.05$ compared to O_3 in DMSO group.

Figure S2

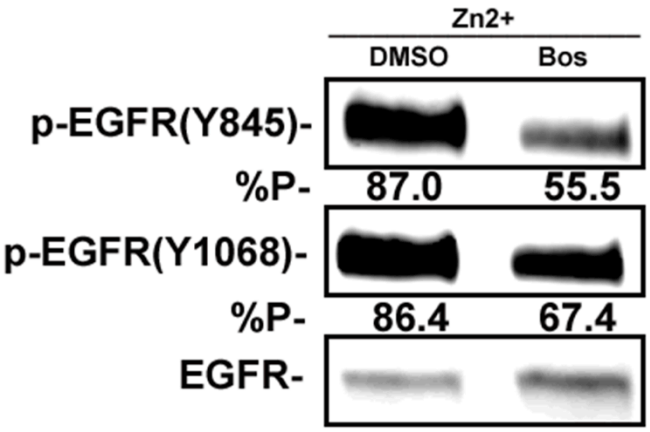

Figure S2. Src kinase is required for Zn2+-induced phosphorylation of EGFR in BEAS-2B cells. BEAS-2B cells grown to confluence were pretreated with vehicle control (0.1% DMSO), or the Src kinase inhibitor Bosutinib (10 μM) for 30 min prior to exposure to exposed to 100 μM $ZnSO_4$ for 1 h. Extracted cellular proteins were subjected to SDS-PAGE followed by immunoblotting using phospho-specific EGFR antibodies, followed by a pan--EGFR antibody. % P indicates the optical density of the p-EGFR band as a fraction of the total EGFR signal (p-EGFR+EGFR). Data shown are representative of three separate experiments.